

# DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Greenheck Fan Corporation P.O. Box 410 Schofield, WI 54476

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

#### **DESCRIPTION: Series RSF Steel Rooftop Supply Fan**

APPROVAL DOCUMENT: Drawing No. HCS1001 to HCS1015, titled "RSF-90/100/120/150/180/200", sheets 1 through 15 of 15, dated 08/03/2009, 08/18/2009, 09/08/2009, 09/14/2009, 06/15/2009 and 09/15/2009, prepared by Greenheck Fan Corporation, signed and sealed by L. David Rice, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

#### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein. RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA renews and revises NOA # 09-0930.10 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.

MIAMIDADE COUNTY
APPROVED

102/19/2015

NOA No. 14-1030.15 Expiration Date: December 16, 2019 Approval Date: February 26, 2015

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## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

## A. DRAWINGS "Submitted under NOA # 09-0930.10"

Drawing No. HCS1001 to HCS1015, titled "RSF-90/100/120/150/180/200", sheets 1 through 15 of 15, dated 08/03/2009, 08/18/2009, 09/08/2009, 09/14/2009, 06/15/2009 and 09/15/2009, prepared by Greenheck Fan Corporation, signed and sealed by L. David Rice, P.E.

## B. TESTS "Submitted under NOA # 09-0930.10"

- 1. Test report on 1) Uniform Static Air Pressure Test per FBC, TAS 202-94
  - 2) Large Missile Impact Test per FBC, TAS 201-94,
  - 3) Cyclic Wind Pressure Test per FBC, TAS 203-94,

along with marked-up drawings and installation diagram of three Model RSF Belt Drive Rooftop Supply Fans, prepared by Architectural Testing, Inc., Test Report No. 90634.01-602-18, dated 07/10/2009, signed and sealed by Joseph A. Reed, P.E.

## C. CALCULATIONS "Submitted under NOA # 09-0930.10"

1. Anchor verification calculations, prepared by Rice Engineering, dated 09/22/2009, signed and sealed by L. David Rice, P.E.

#### D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

## E. MATERIAL CERTIFICATIONS

1. None.

## F. STATEMENTS

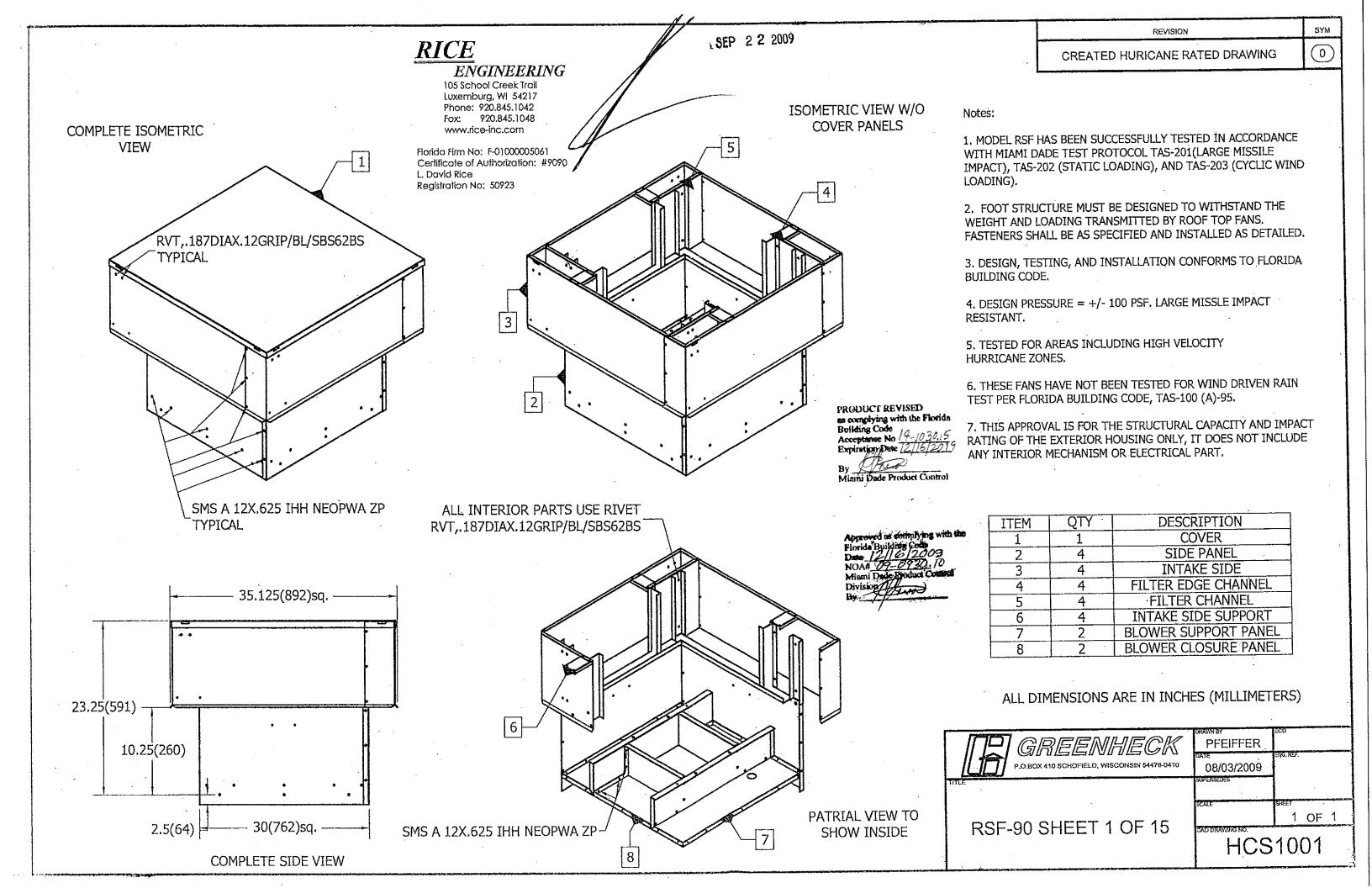
1. Statement letter of code conformance to 2010 and 5<sup>th</sup> edition (2014) FBC issued by Rice Engineering, dated 02/10/2015, signed and sealed by Wayne K. Helmila, P.E.

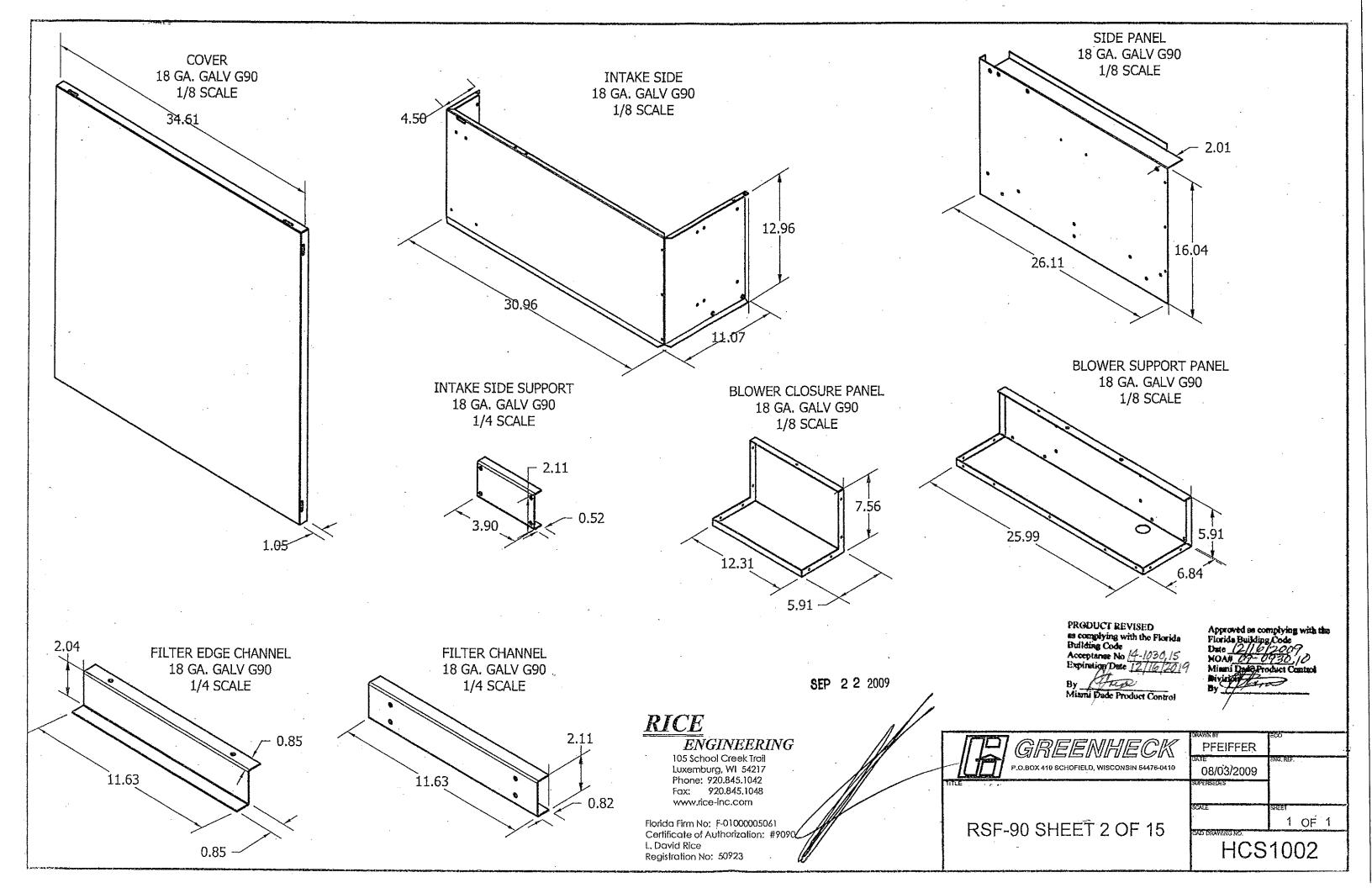
## "Submitted under NOA # 09-0930,10"

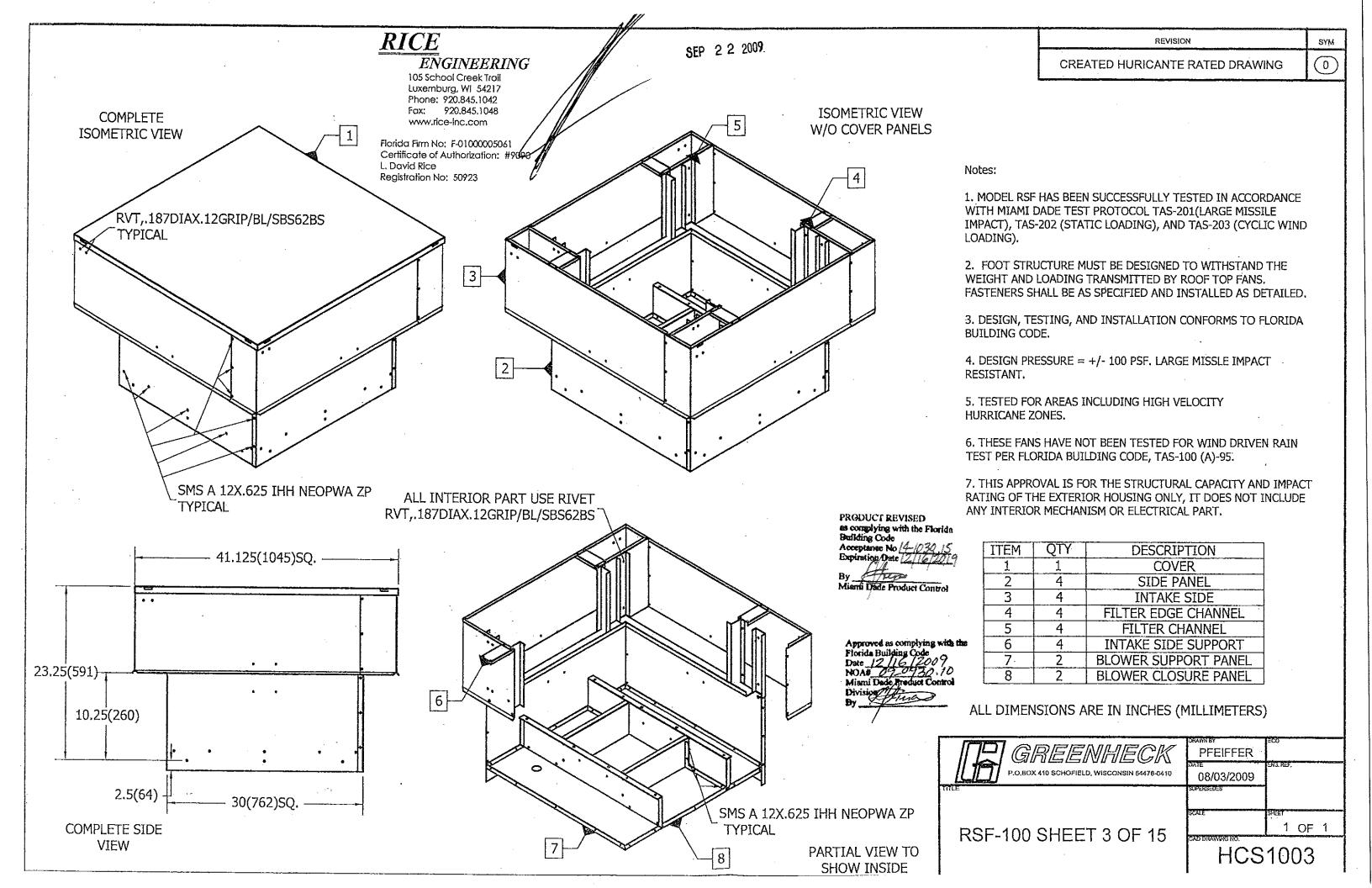
2. No financial interest letter issued by Rice Engineering, dated 09/22/2009, signed and sealed by L. David Rice, P.E.

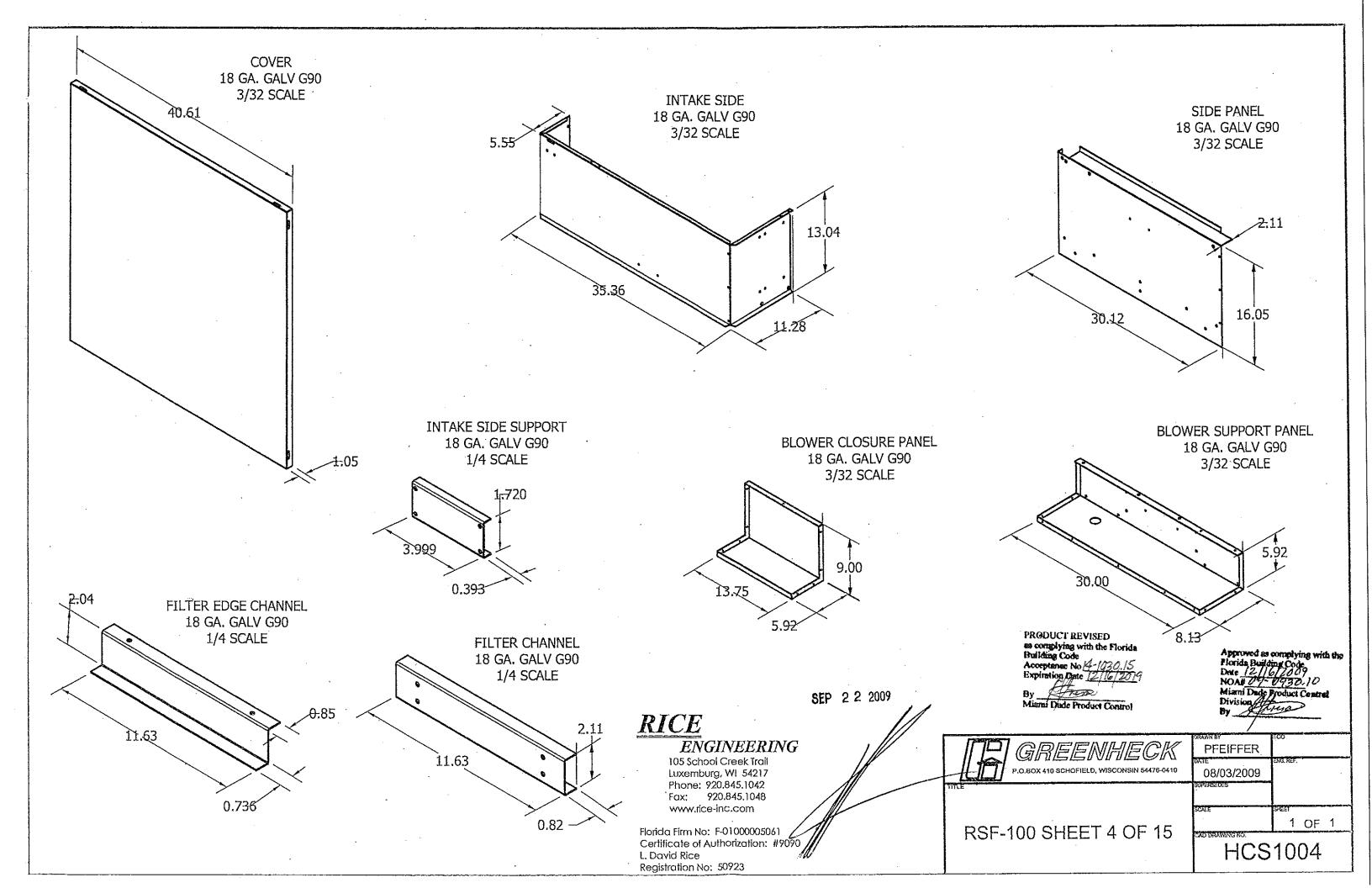
Carlos M. Utrera, P.E. Product Control Examiner NOA No. 14-1030.15 Expiration Date: December 16, 2019

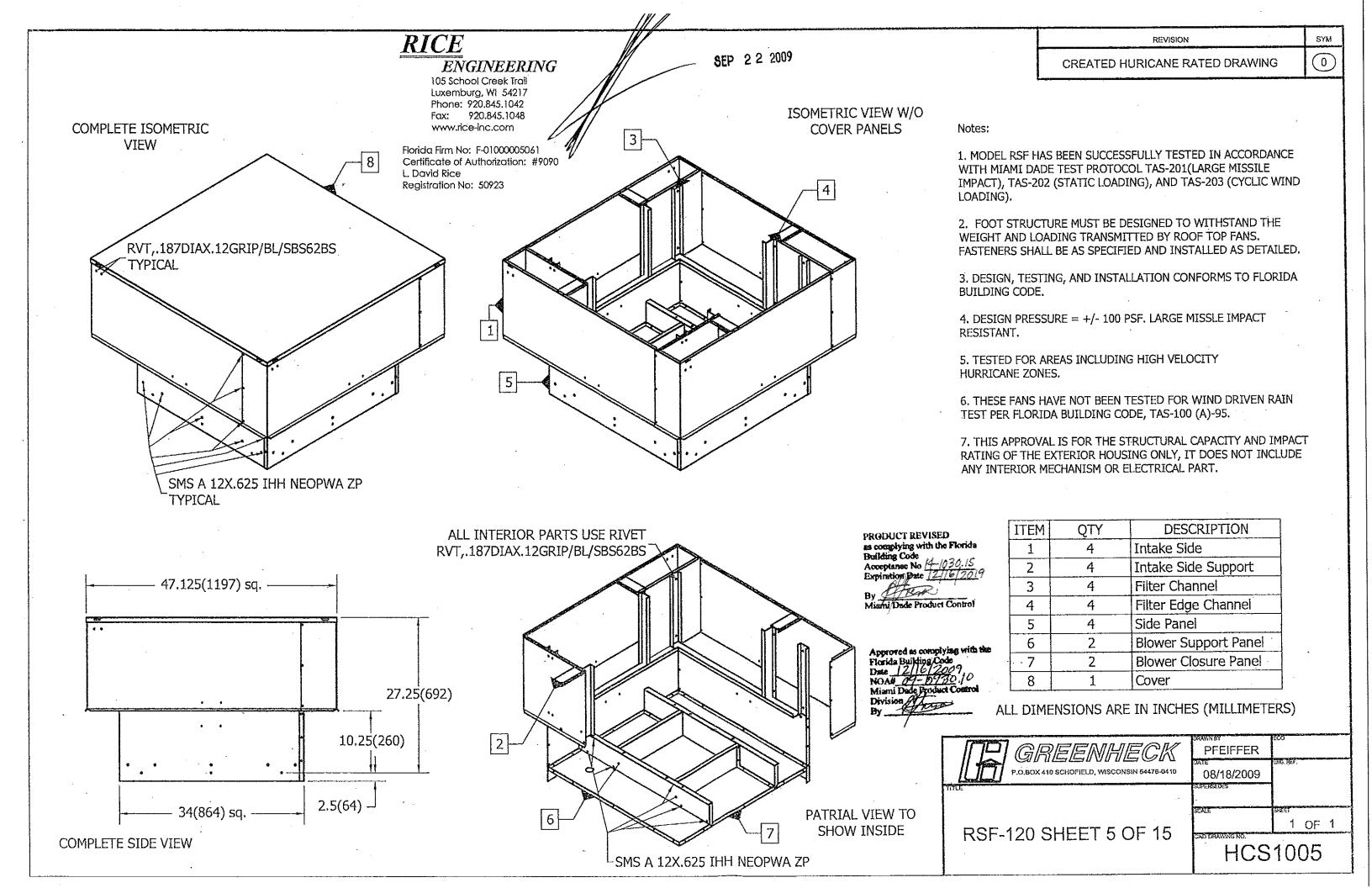
Approval Date: February 26, 2015

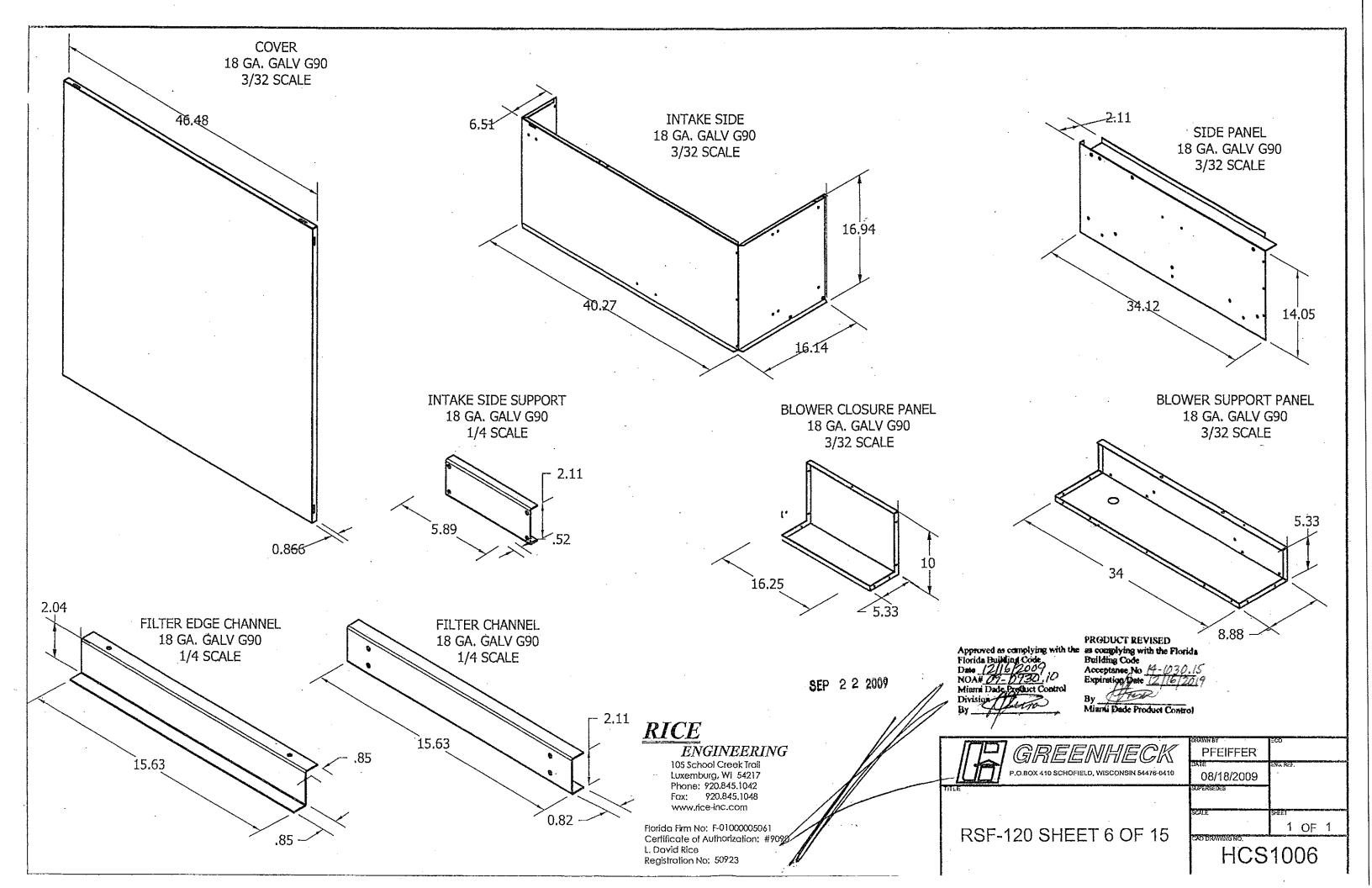


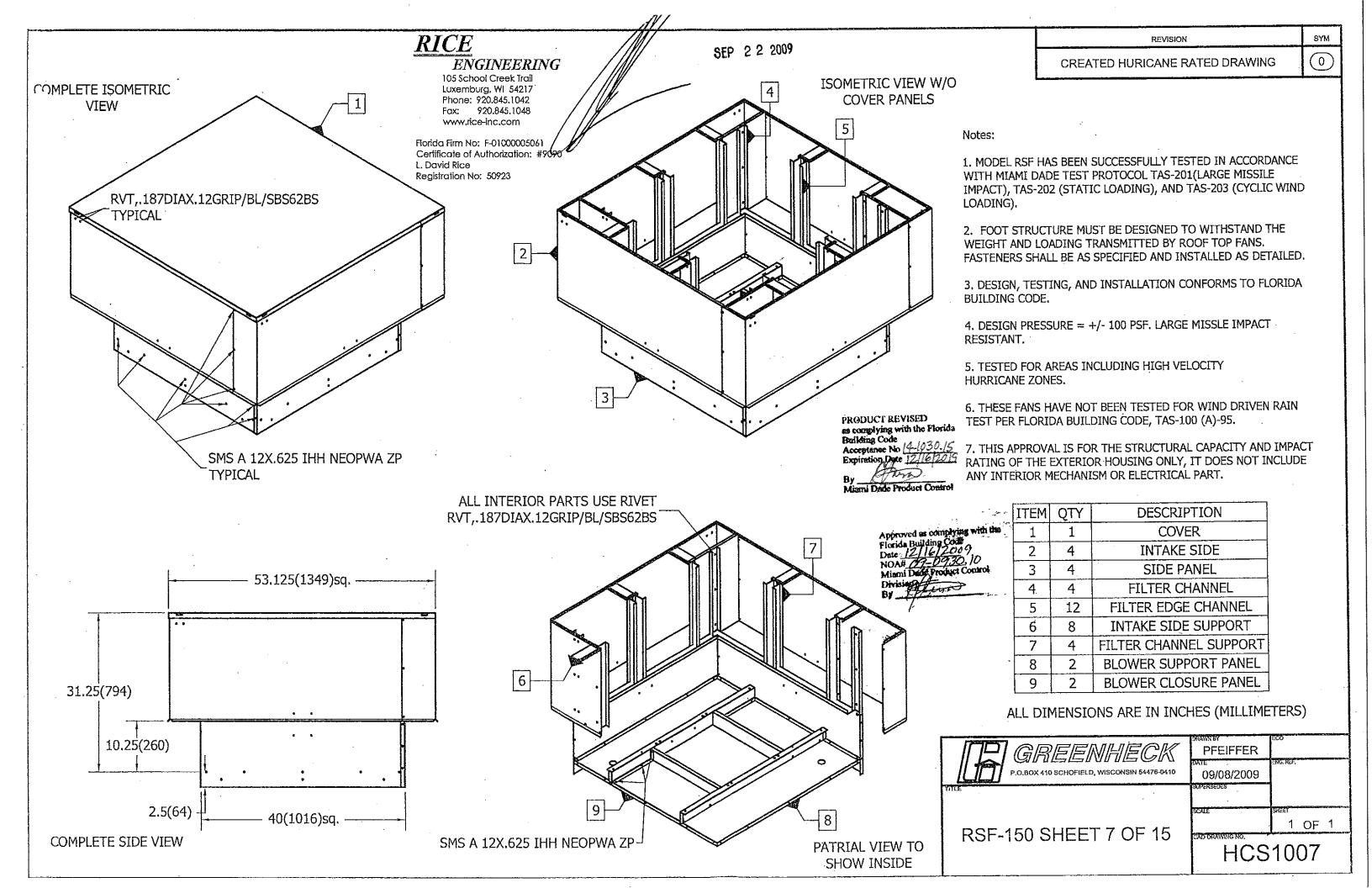


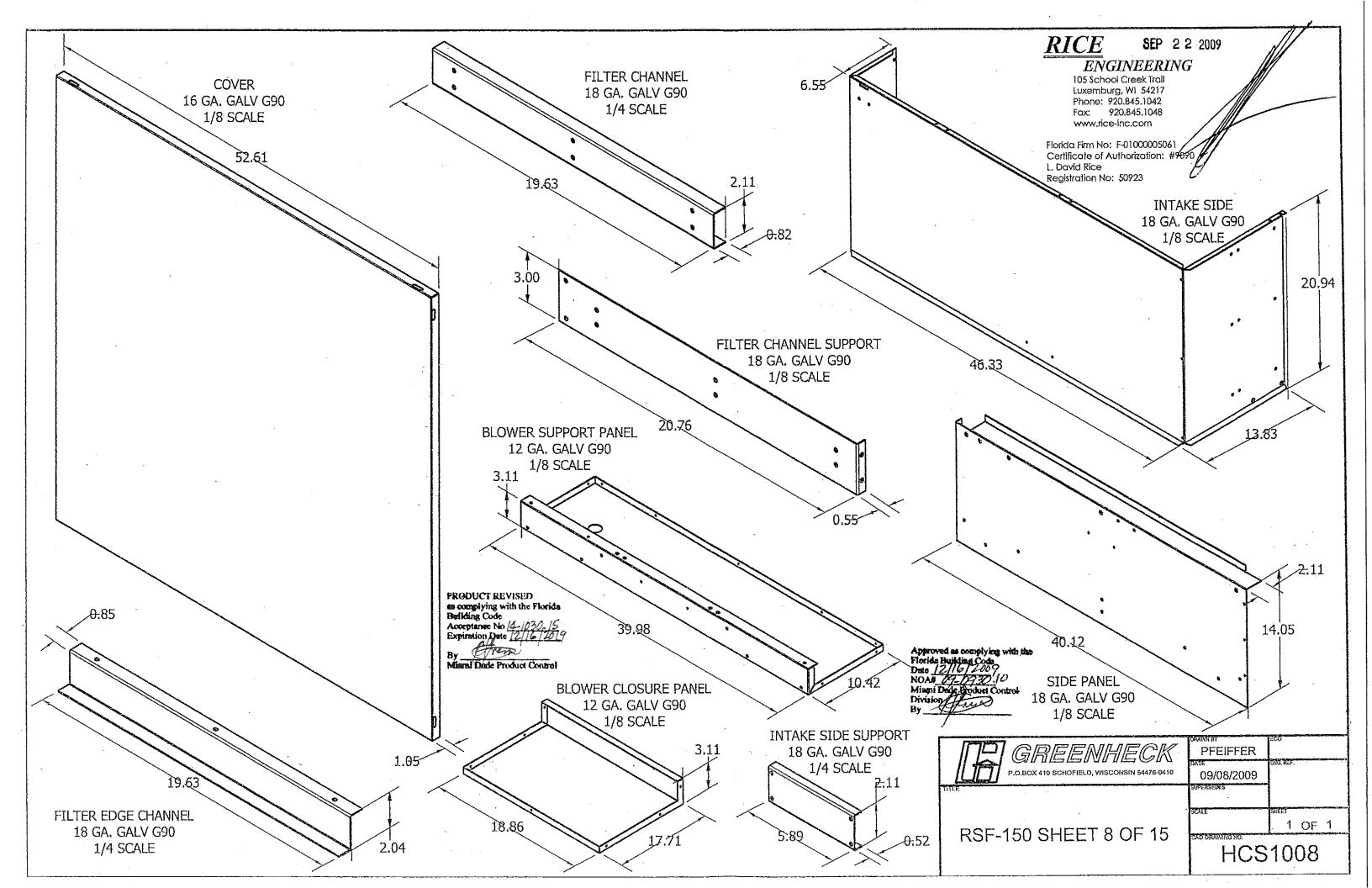


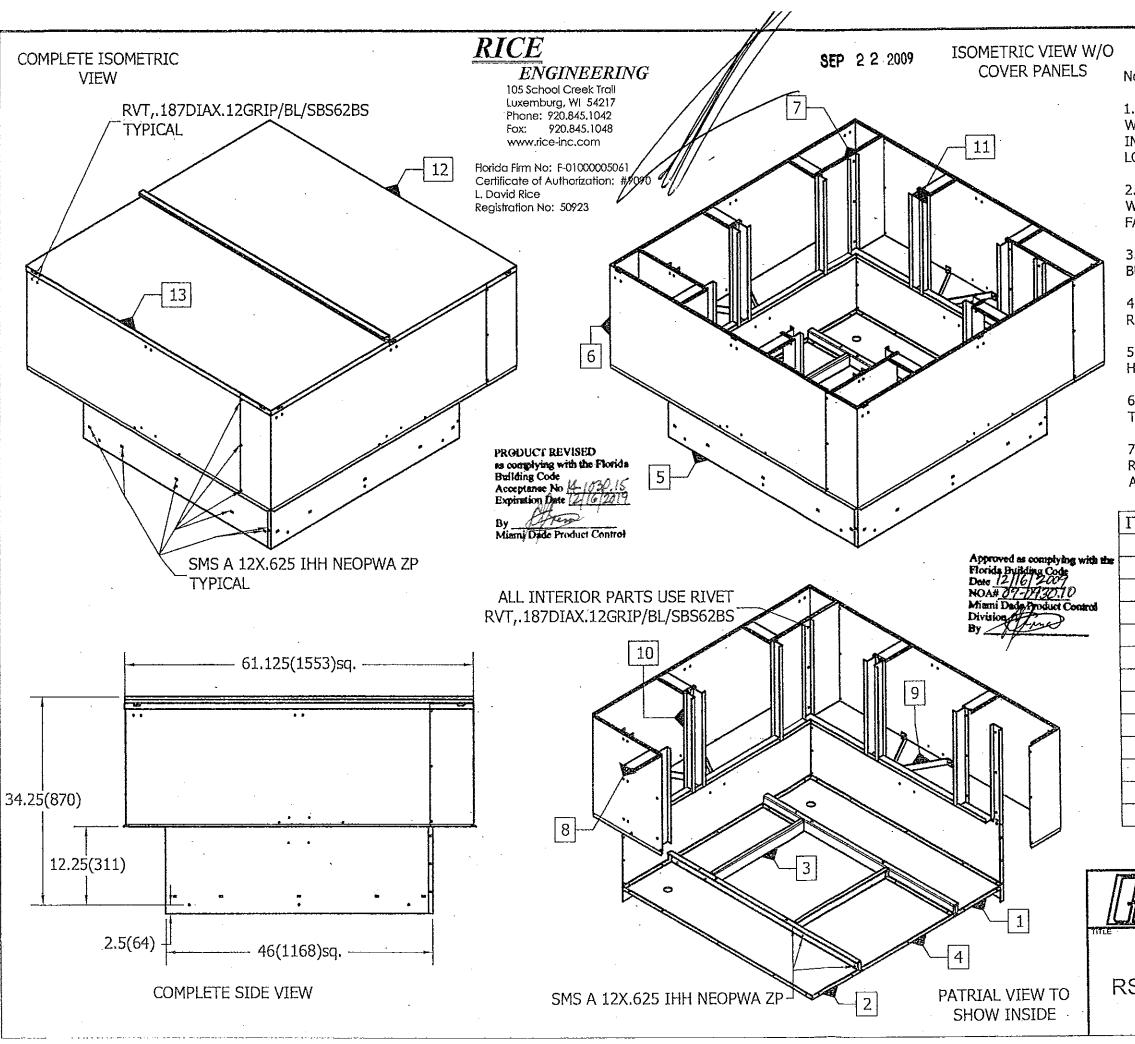












Notes:

CREATED HURICANE RATED DRAWING

REVISION

SYM

(0)

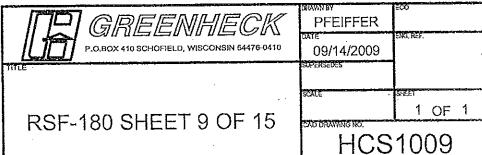
1. MODEL RSF HAS BEEN SUCCESSFULLY TESTED IN ACCORDANCE WITH MIAMI DADE TEST PROTOCOL TAS-201(LARGE MISSILE IMPACT), TAS-202 (STATIC LOADING), AND TAS-203 (CYCLIC WIND LOADING).

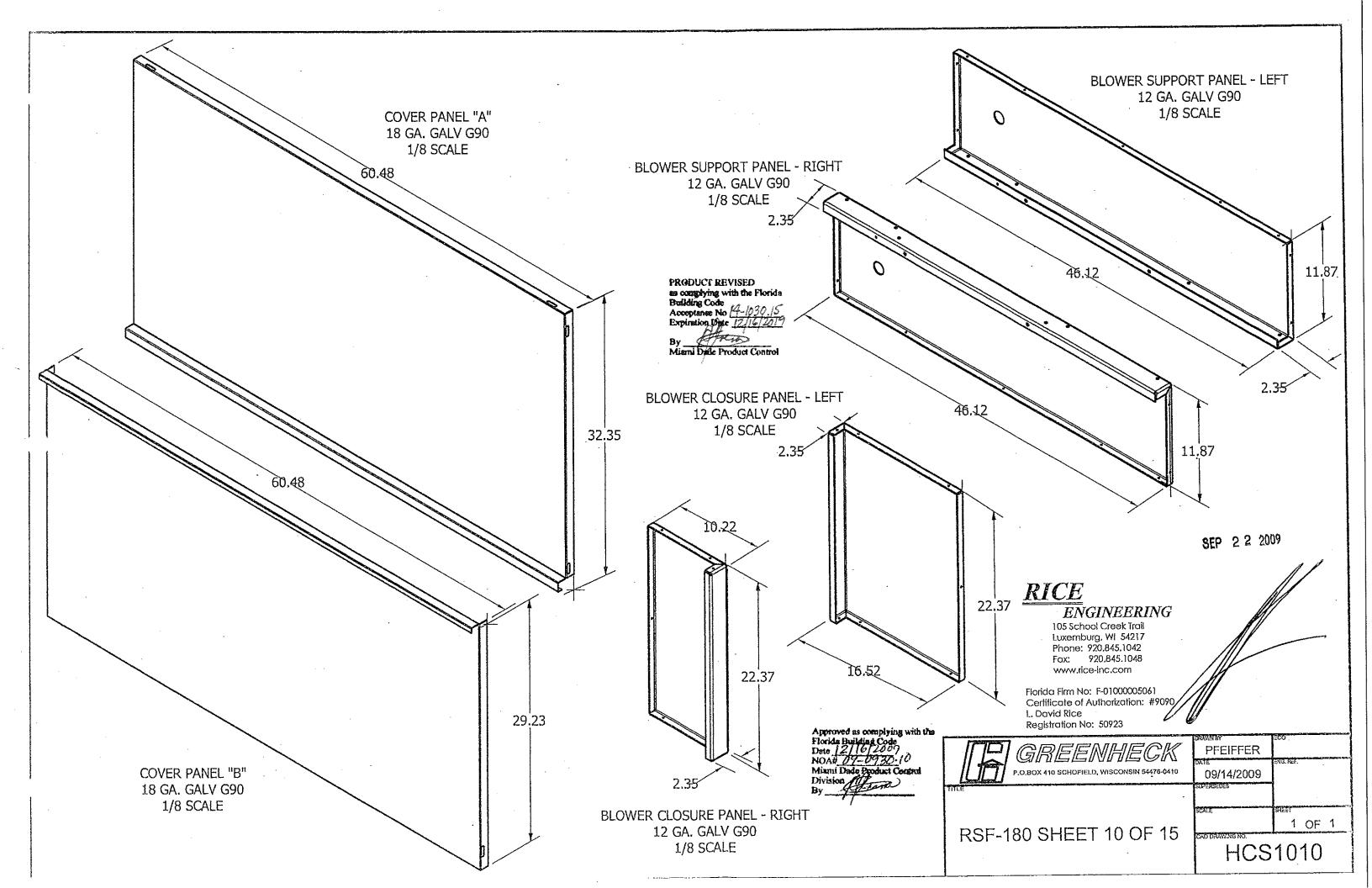
2. FOOT STRUCTURE MUST BE DESIGNED TO WITHSTAND THE WEIGHT AND LOADING TRANSMITTED BY ROOF TOP FANS. FASTENERS SHALL BE AS SPECIFIED AND INSTALLED AS DETAILED.

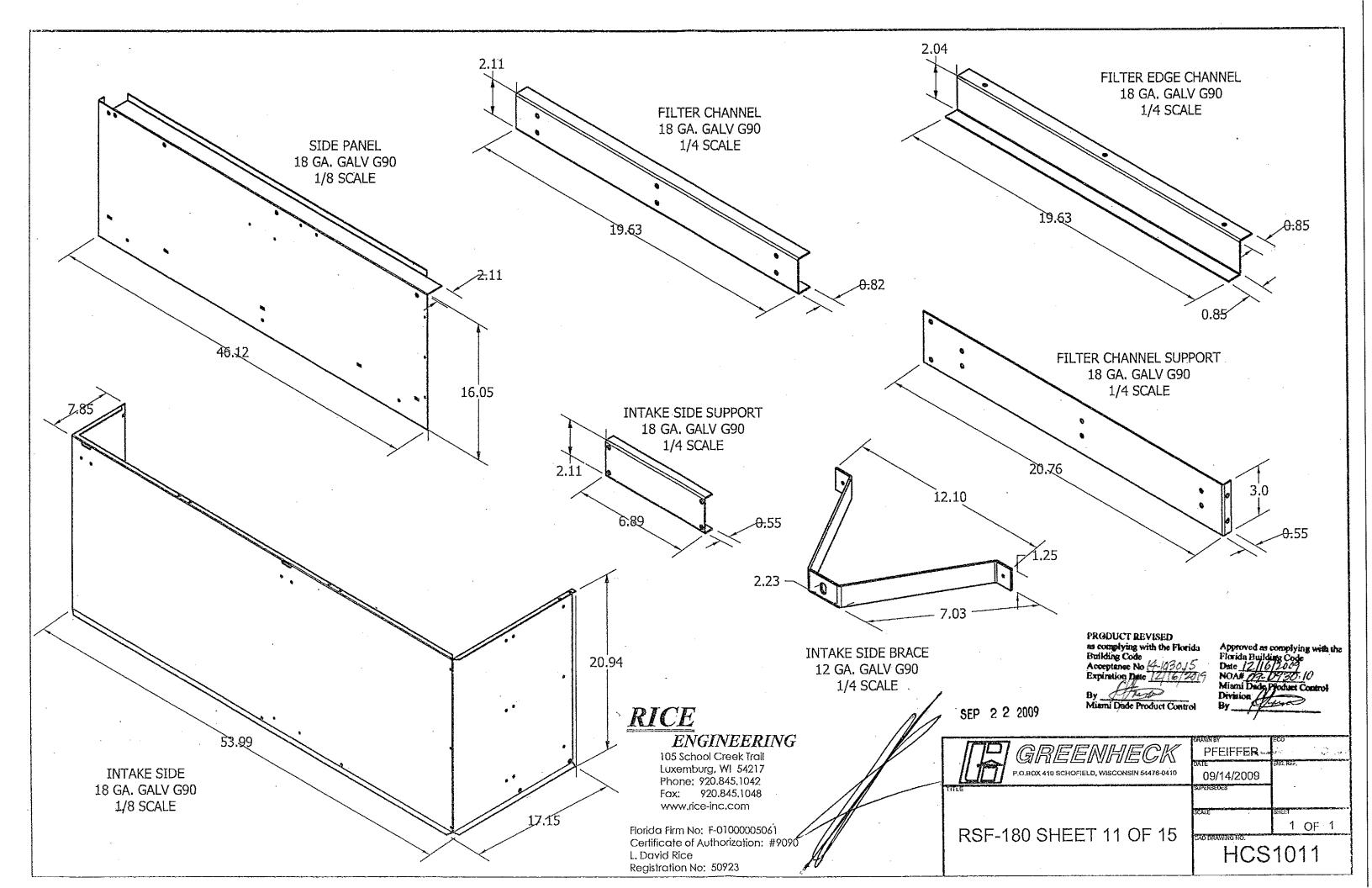
- 3. DESIGN, TESTING, AND INSTALLATION CONFORMS TO FLORIDA BUILDING CODE.
- 4. DESIGN PRESSURE = +/- 100 PSF. LARGE MISSLE IMPACT RESISTANT.
- 5. TESTED FOR AREAS INCLUDING HIGH VELOCITY HURRICANE ZONES.
- 6. THESE FANS HAVE NOT BEEN TESTED FOR WIND DRIVEN RAIN TEST PER FLORIDA BUILDING CODE, TAS-100 (A)-95.
- 7. THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSING ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.

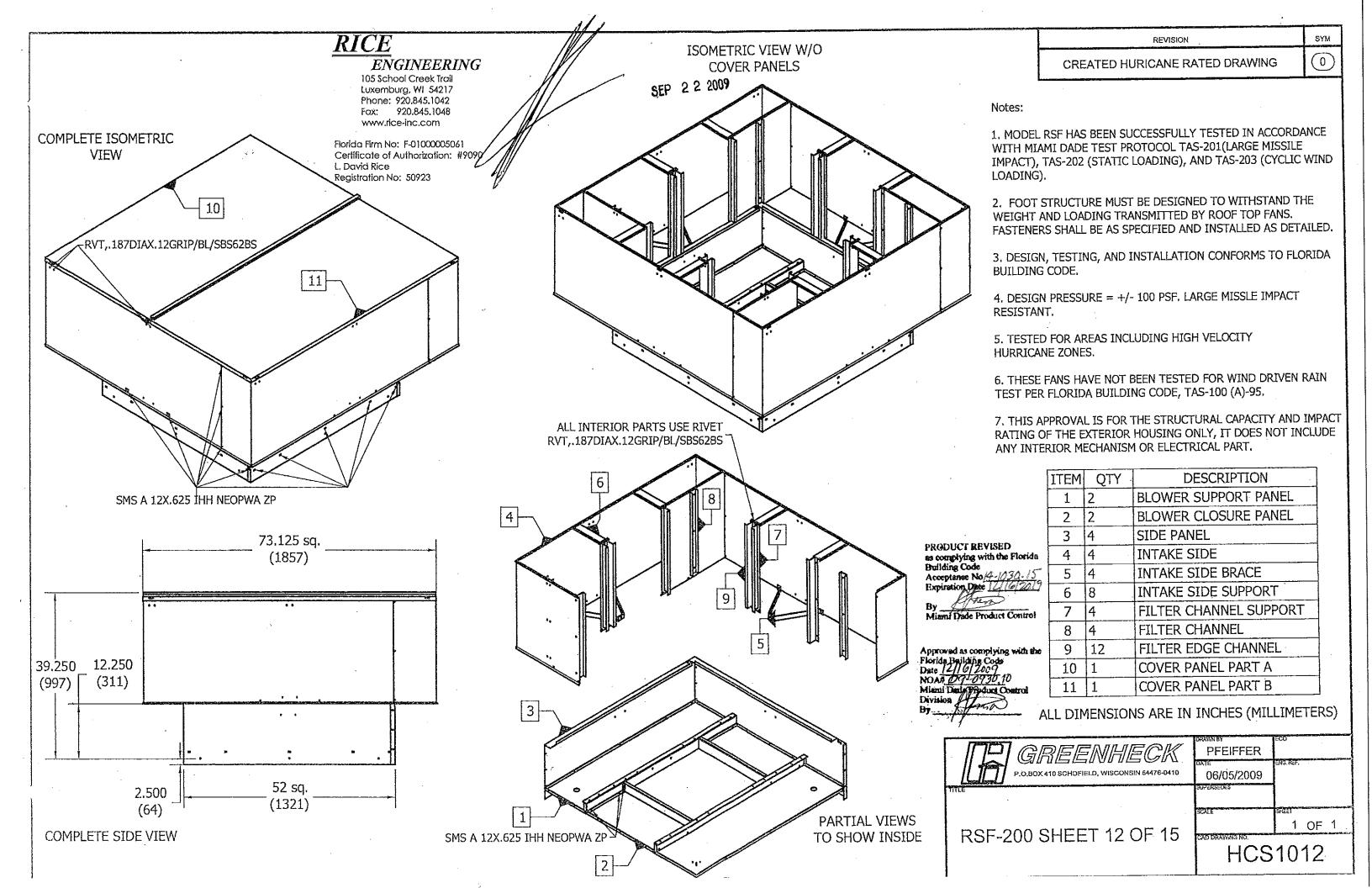
ITEM	QTY	DESCRIPTION		
1	1	BLOWER SUPPORT PANEL - RIGHT		
2.	1	BLOWER SUPPORT PANEL - LEFT		
3	1	BLOWER CLOSURE PANEL - RIGHT		
4	1	BLOWER CLOSURE PANEL - LEFT		
5	4	SIDE PANEL		
6	4	INTAKE SIDE		
7	4	FILTER CHANNEL		
8	8	INTAKE SIDE SUPPORT		
9	4	INTAKE SIDE BRACE		
10	4	FILTER CHANNEL SUPPORT		
11	12	FILTER EDGE CHANNEL		
12	1	COVER PANEL - A		
13	1	COVER PANEL - B		

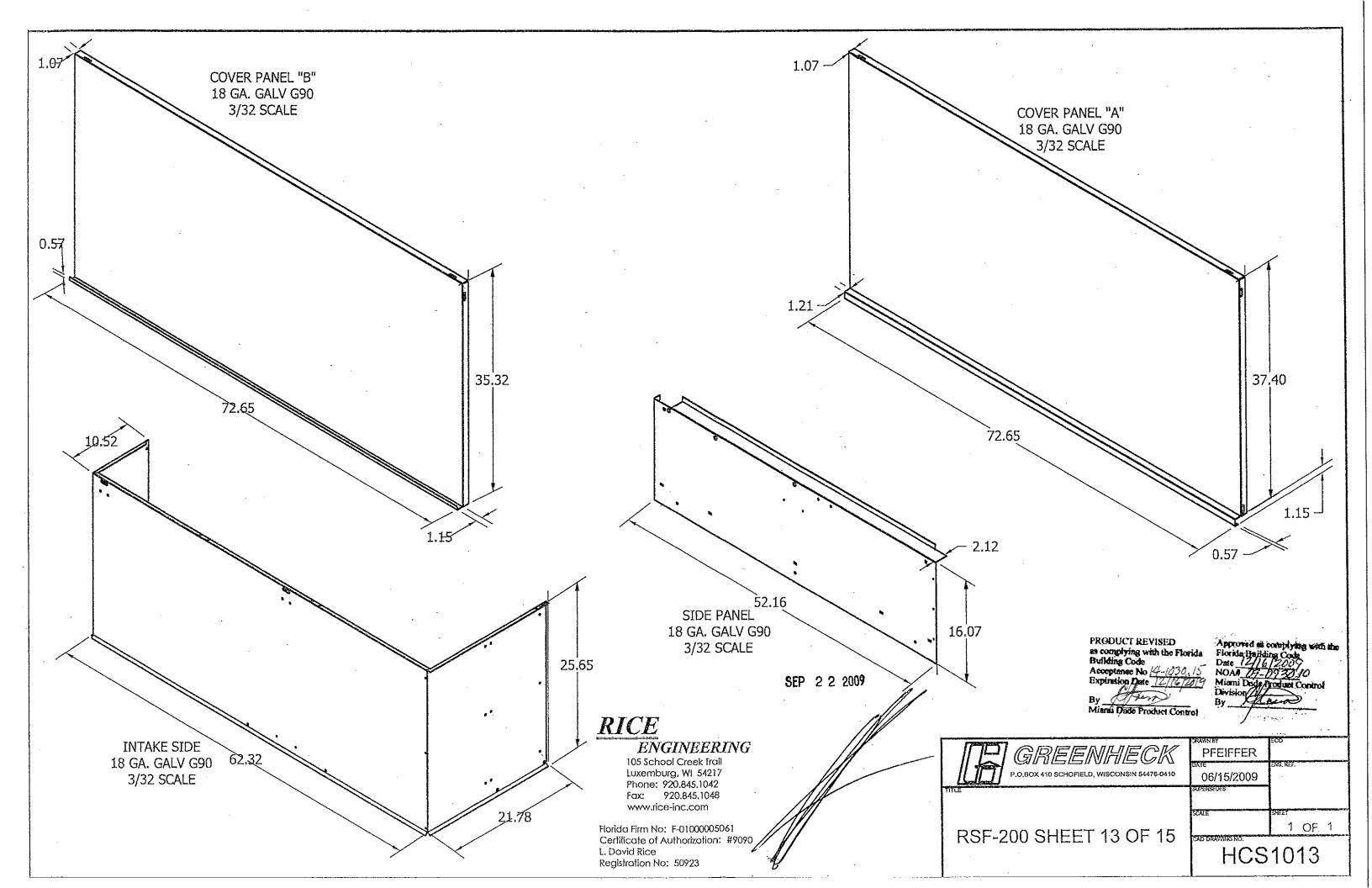
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)

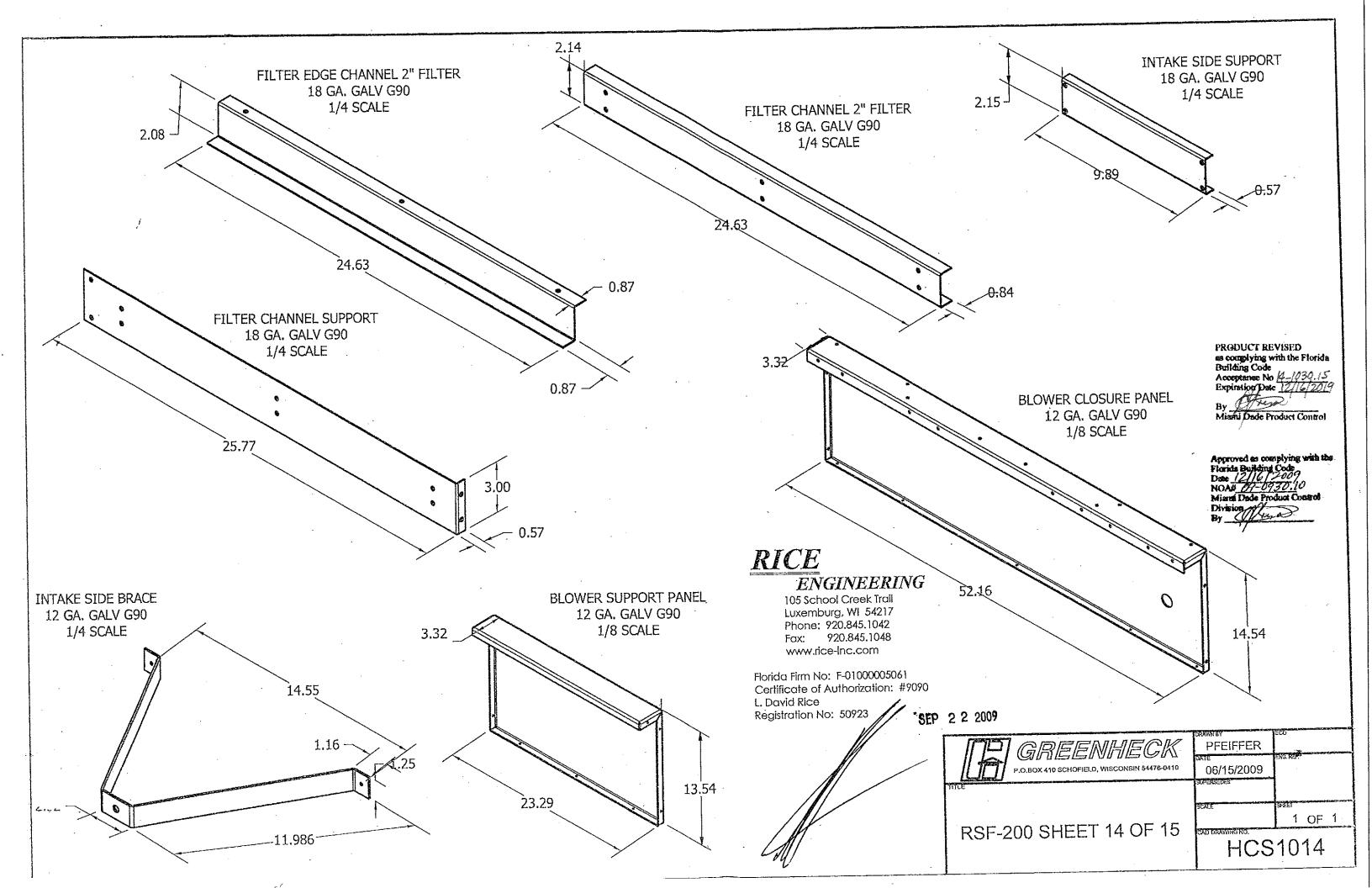


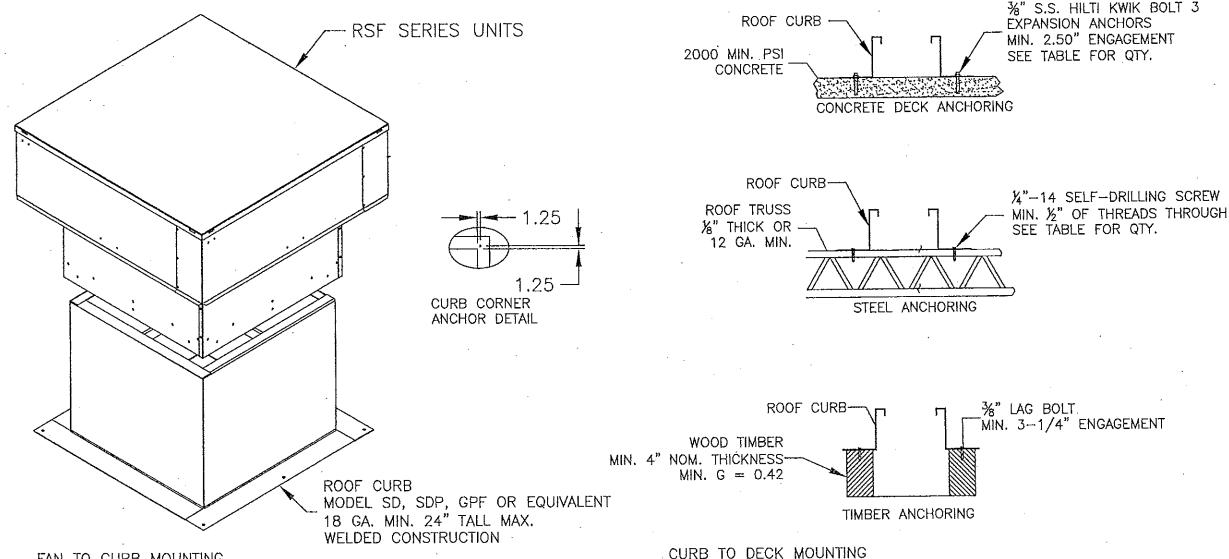












FAN TO CURB MOUNT	INIC

UNIT SIZE	FASTENERS PER SIDE	
RSF-90, RSF-100, RSF-120,	. 7	
RSF-150, RSF-180, RSF 200	3	

FASTENERS ON EACH SIDE OF THE FAN ARE TO BE INSTALLED WITH ONE FASTENER 4 INCHES FROM EACH EDGE AND ONE FASTENER CENTERED. THE REMAINING FASTENERS ARE TO BE EQUALLY SPACED. 1/4 INCH FASTENER MINIMUM \$ INCH RECOMMENDED.

LINIT CITE	CONCRETE ANCHORING	STEEL DECK ANCHORING
UNIT SIZE	NO. OF FASTENERS PER SIDE	NO. OF FASTENERS PER SIL
		1

PER SIDE NO. OF FASTENERS PER SIDE 3 3 RSF-90, RSF-100, RSF-120 3 RSF-150 4 5 5 5 RSF-180, RSF-200

FASTENERS NEED TO BE LOCATED ON 2 OPPOSITE ENDS OF FAN CURB.



Registration No: 50923

PFEIFFER 09/15/2009 SUPLESSEES RSF-90 THROUGH 200 1/15 CURB MOUNTING SHEET 15 OF 15 HCS1015

TIMBER ANCHORING